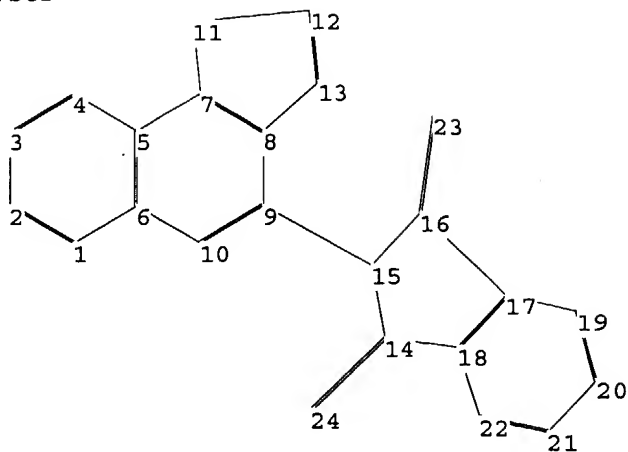
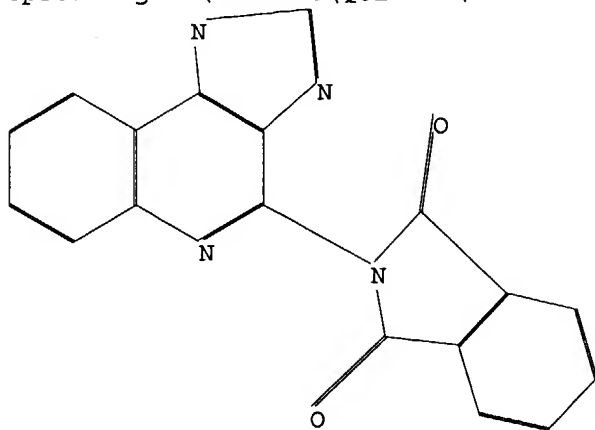


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chain nodes :

23 24

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

chain bonds :

9-15 14-24 16-23

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13

14-15 14-18 15-16 16-17 17-18 17-19 18-22 19-20 20-21 21-22

exact/norm bonds :

7-11 8-13 9-15 11-12 12-13 14-15 14-24 15-16 16-23

exact bonds :

14-18 16-17

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 17-18 17-19 18-22 19-20

20-21 21-22

isolated ring systems :

containing 1 : 14 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom

20:Atom 21:Atom

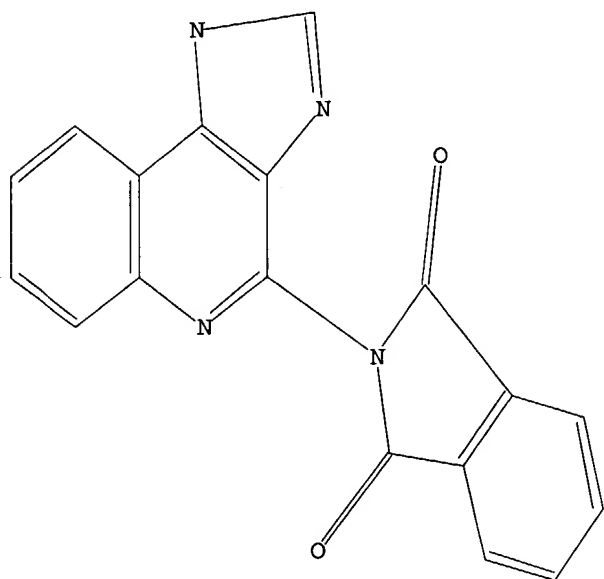
22:Atom 23:CLASS 24:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful
 FULL SEARCH INITIATED 16:07:54 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 309 TO ITERATE

100.0% PROCESSED 309 ITERATIONS 1 ANSWERS
 SEARCH TIME: 00.00.01

L2 1 SEA SSS FUL L1

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	ENTRY	SESSION
FULL ESTIMATED COST	155.42	155.63

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L3 1 L2

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L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:80690 CAPLUS

DOCUMENT NUMBER: 140:111416

TITLE: Preparation of 1H-imidazo[4,5-c]quinolin-4-amines via 1H-imidazo[4,5-c]quinolin-4-phthalimide intermediates

INVENTOR(S): Valeriano, Merli; Daverio, Paola; Bianchi, Stefano

PATENT ASSIGNEE(S): Teva Pharmaceutical Industries Ltd., Israel; Teva Pharmaceuticals USA, Inc.

SOURCE: PCT Int. Appl., 23 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004009593	A1	20040129	WO 2003-US23153	20030723
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2002-397607P P 20020723

OTHER SOURCE(S): CASREACT 140:111416; MARPAT 140:111416

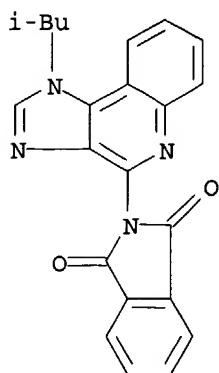
AB The invention provides 1H-imidazo[4,5-C]quinolin-4-phthalimide intermediates useful in the synthesis of 1H-imidazo[4,5-C]quinoline-4-amines, particularly imiquimod. The invention further provides a method for making the intermediates and a method for making 1H-imidazo[4,5-C]quinoline-4-amines via the intermediates.

IT 647827-93-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of imidazoquinolinamines via phthalimidoimidazoquinoline derivs.)

RN 647827-93-8 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[1-(2-methylpropyl)-1H-imidazo[4,5-c]quinolin-4-yl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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